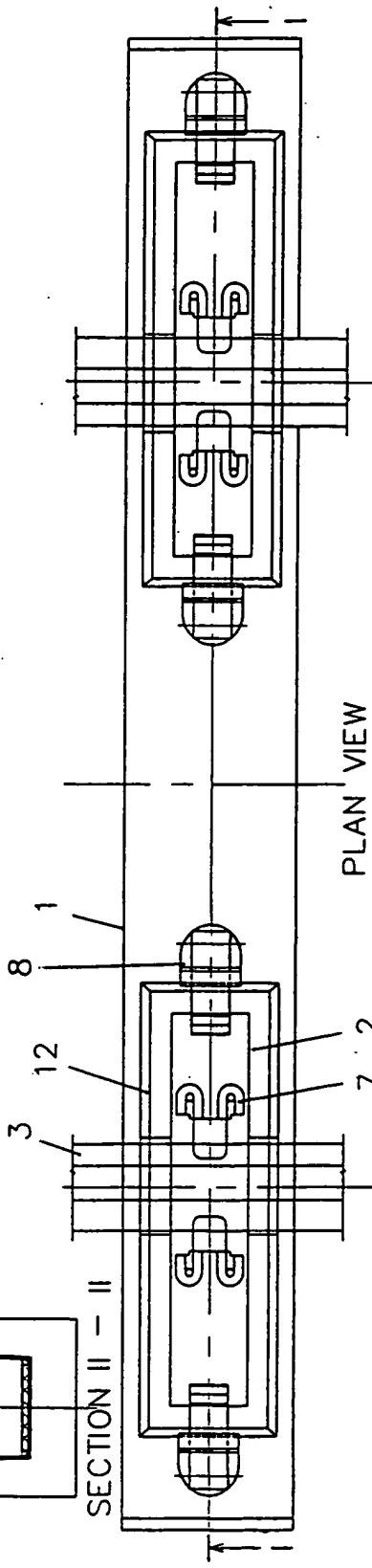
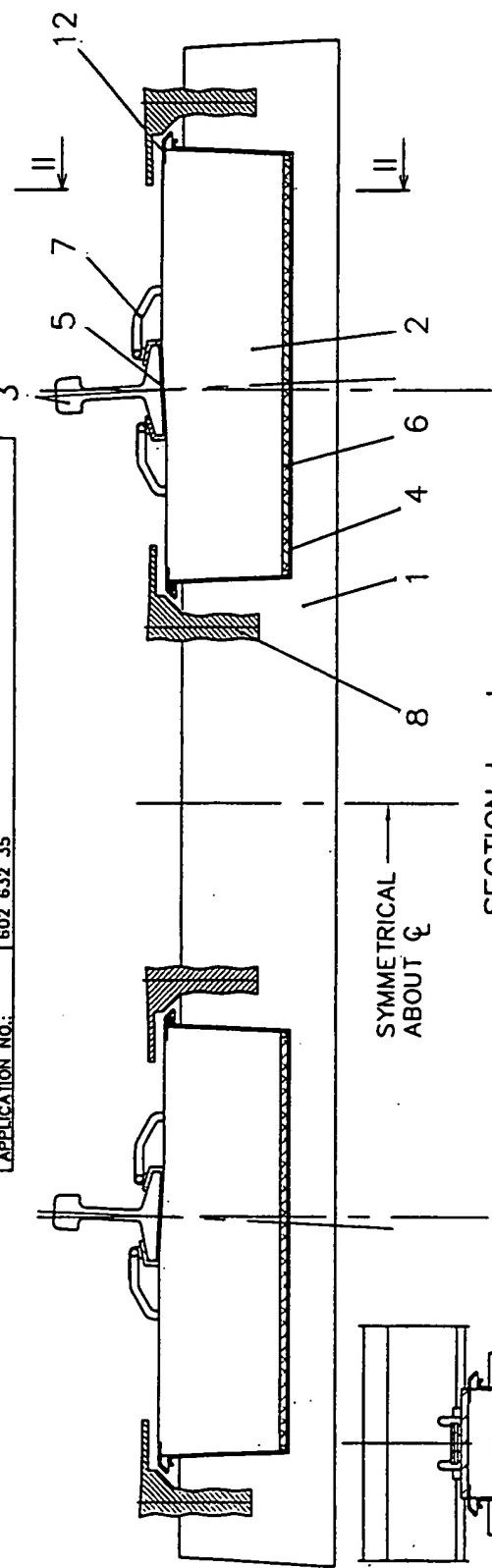




TITLE OF THE INVENTION INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
 INVENTOR'S NAME JAN H. ZICHA, P.E.
 INVENTOR'S TEL. NO. 301 322 5233, 301 805 9321, 202 331 7775 EXT. 213
 APPLICATION NO.: 602 632 35

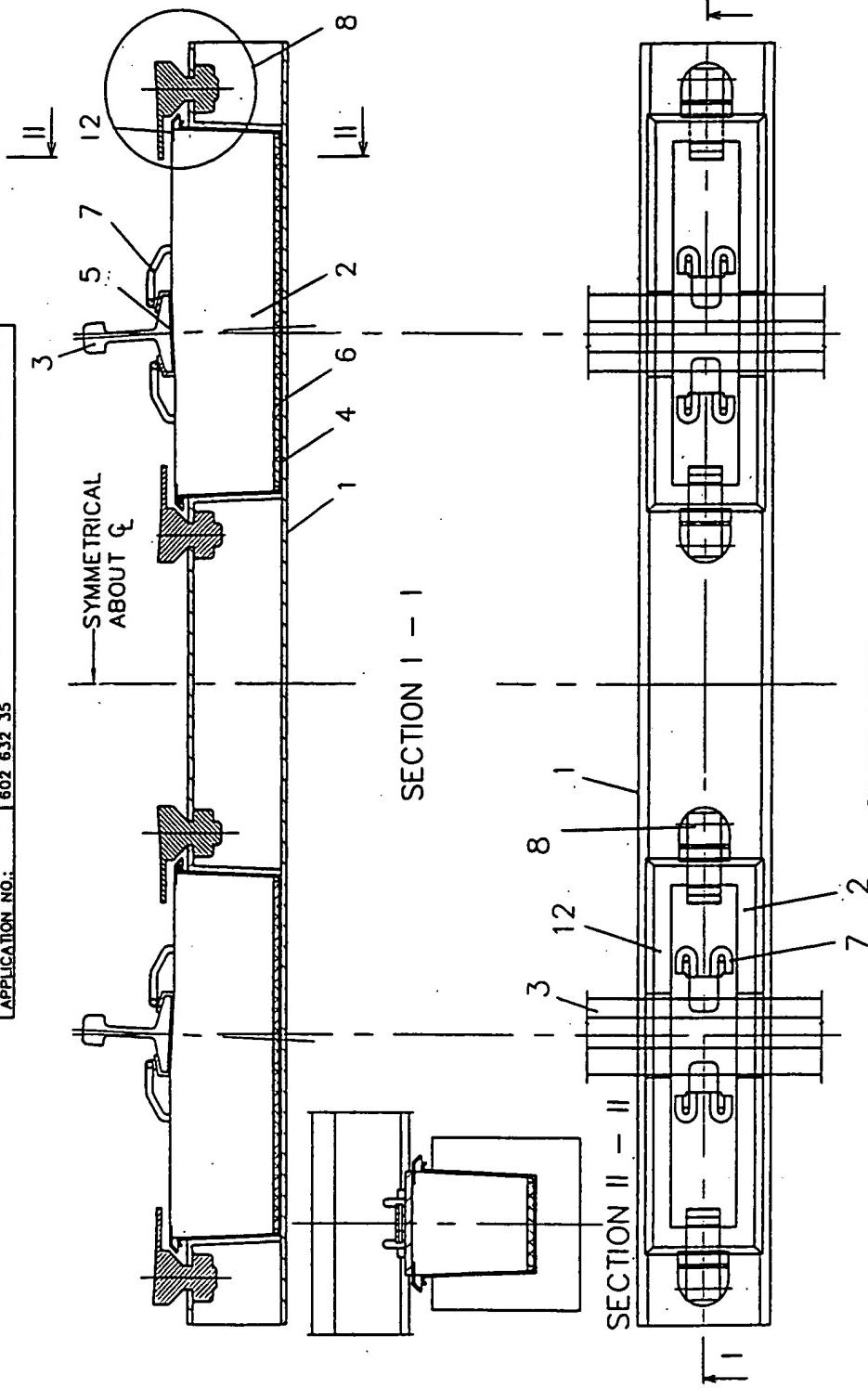


INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE
 NOT TO SCALE

F i g. 1



TITLE OF THE INVENTION	INTERNAL RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JAN H. ZUCHA, P.E.
INVENTOR'S TEL. NO.	301-322-5213, 301-805-9321, 202-331-7775, EXT. 213
APPLICATION NO.:	602-632-35

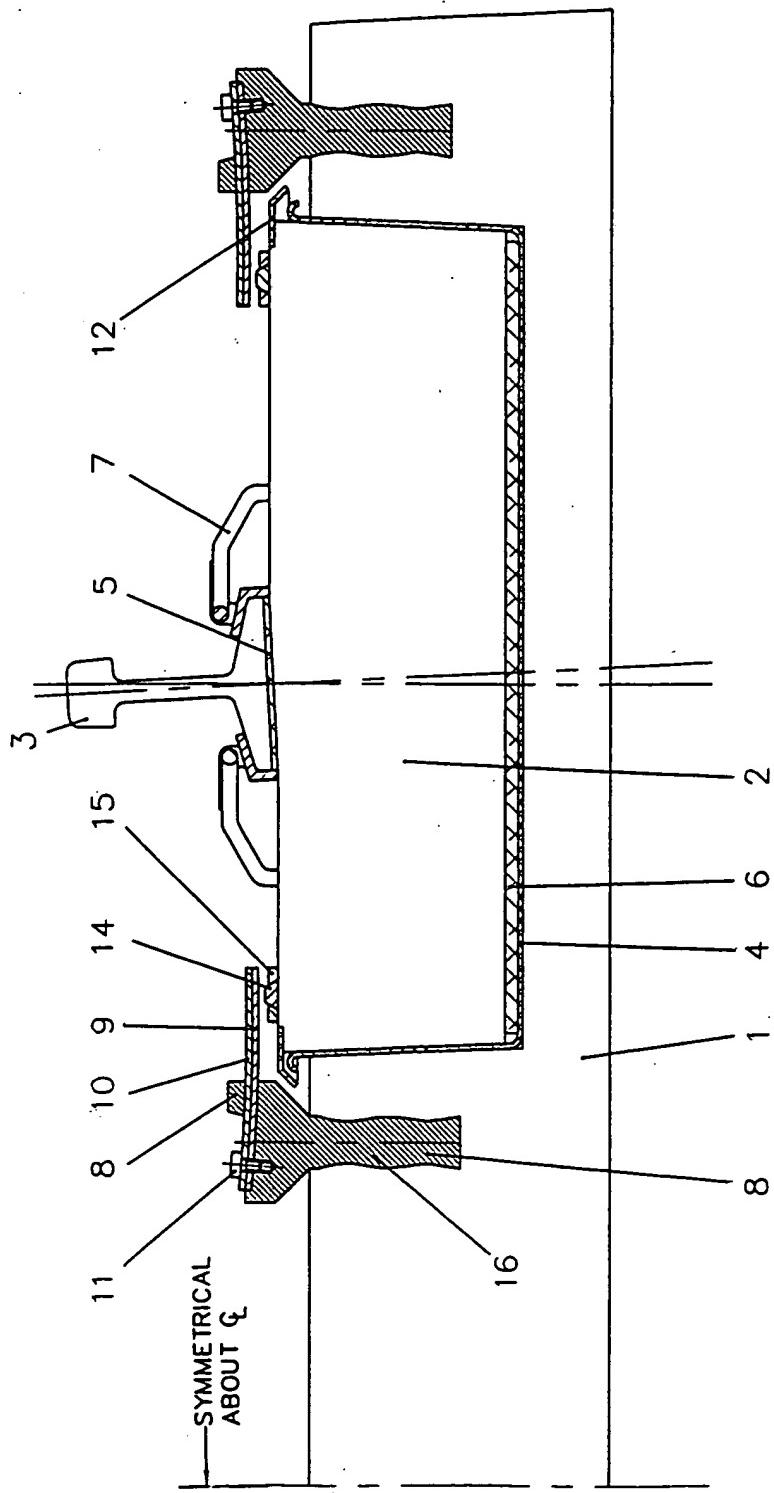


INTERNAL RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE
NOT TO SCALE

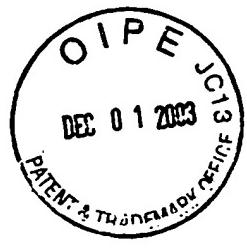
F i g. 2



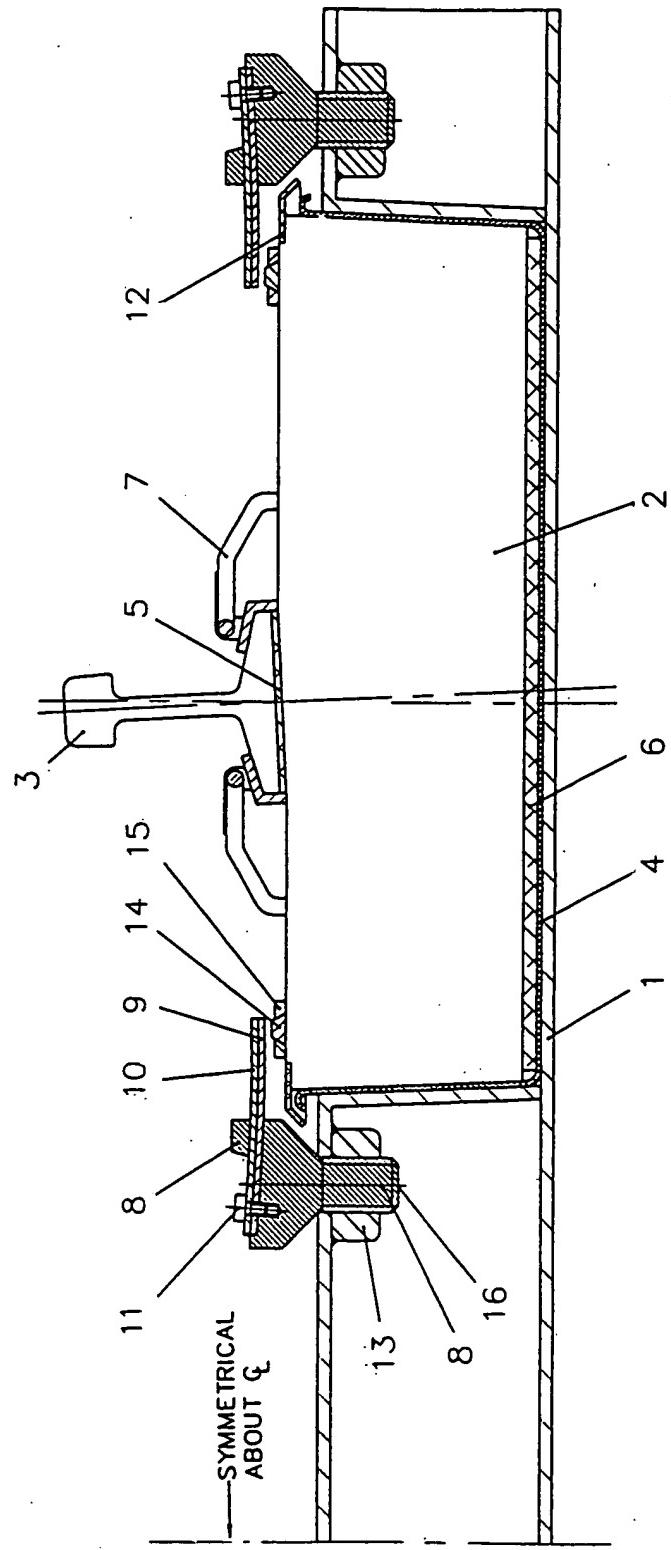
TITLE OF THE INVENTION INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME JAN H. ZICHKA, P.E.
INVENTOR'S TEL. NO. 301-5233-301
APPLICATION NO. 602 631 552
EXT. 213



DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF FIG. 1
INTERNAL RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE



TITLE OF THE INVENTION		INTERNAL RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JAN H. ZICHA, P.E.	
INVENTOR'S TEL. NO.	301 322 5233, 301 809 9321, 202 331 7775 EXT. 213	
APPLICATION NO.	602 632 35	

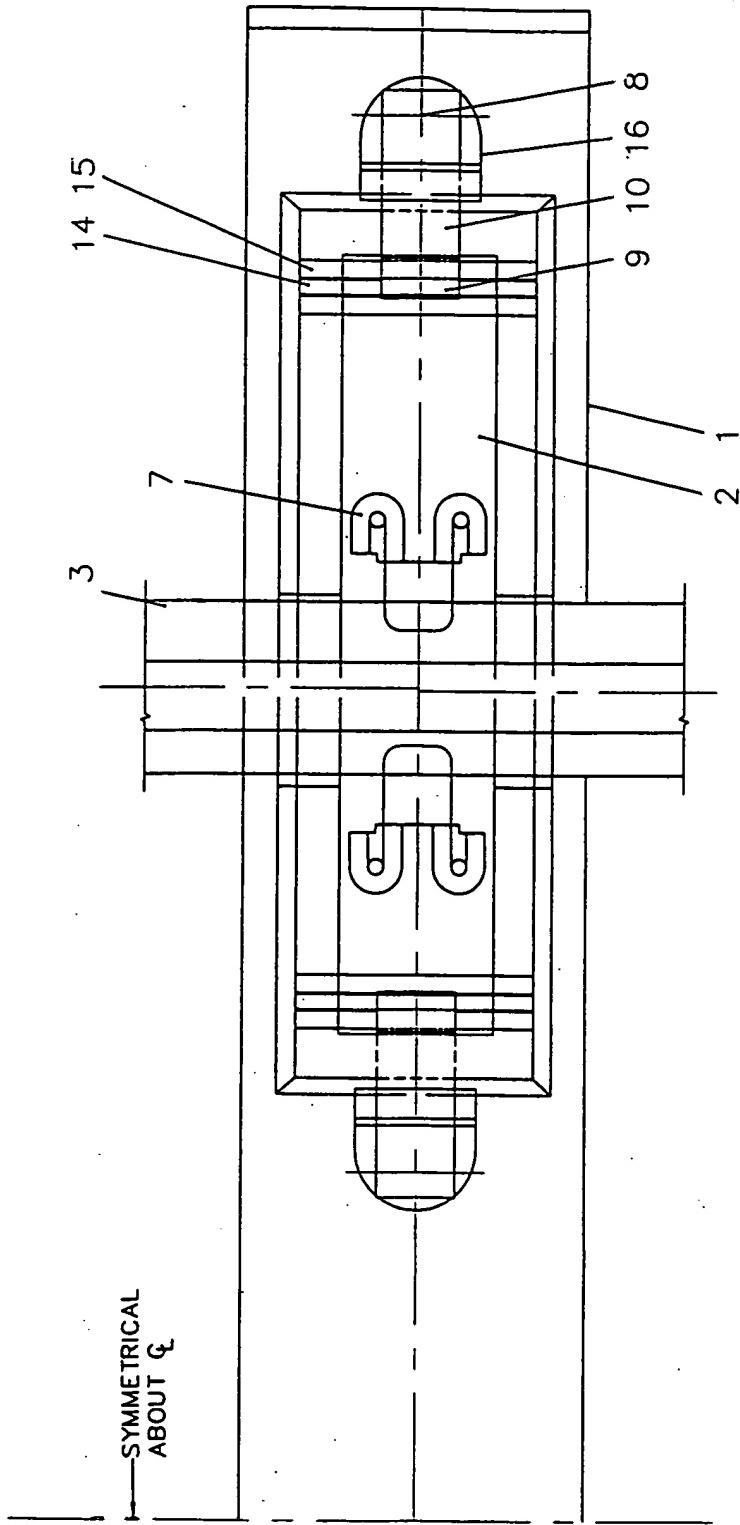


DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF FIG. 2
INTERNAL RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE
NOT TO SCALE

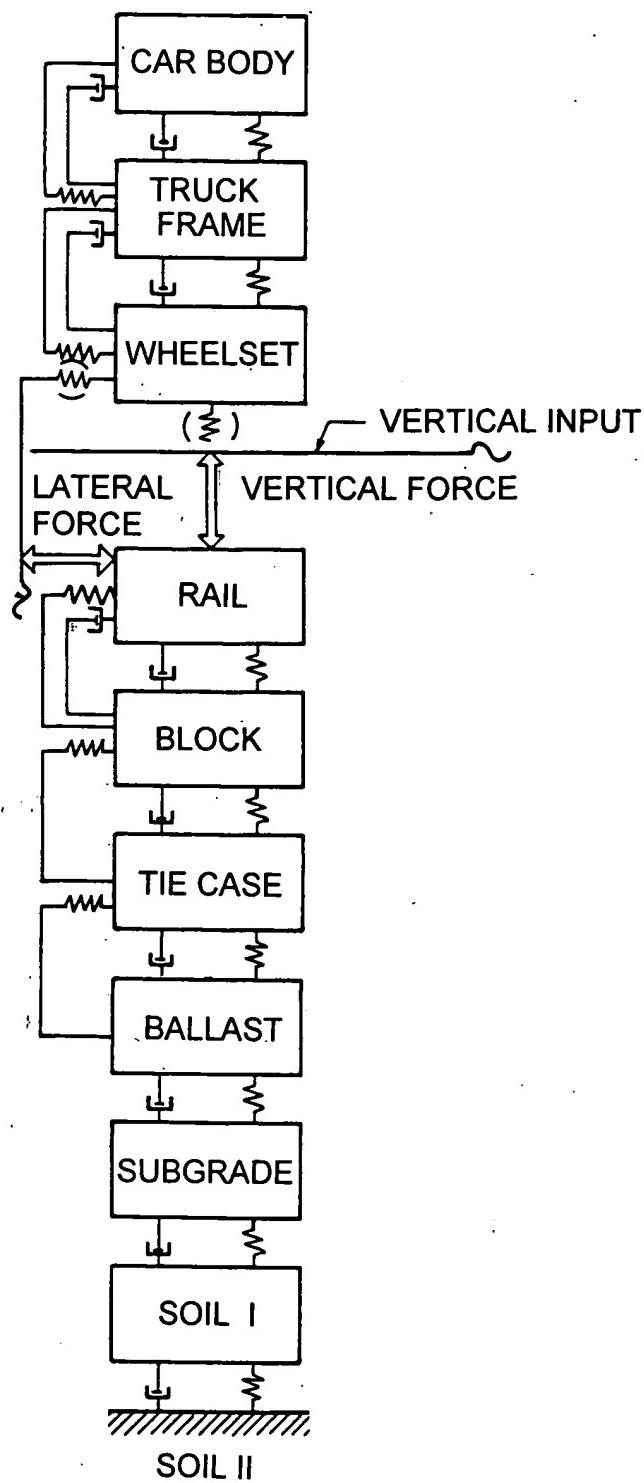
FIG. 4



TITLE OF THE INVENTION	INTERNAL RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JAN H. ZLICHA, P.E.
INVENTOR'S TEL. NO.	301 322 5233 301 805 9321 202 331 7775 EXT. 213
APPLICATION NO.	602 632 35



PLAN VIEW RELEVANT TO BLOCK RETAINERS OF FIG. 1 AND FIG. 2
INTERNAL RESILIENT TIE WITH INDEPENDENT
BOOTED BLOCKS AND CONCRETE OR STEEL CASE
NOT TO SCALE FIG. 5



DYNAMIC TRACK / TRAIN INTERACTION SYSTEM - MODEL FOR ONE AXLE

F i g. 6